



JOHNNY ISAKSON

UNITED STATES SENATOR • GEORGIA



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Isakson Announces Fiscal Year 2011 Federal Funding Requests

WASHINGTON – U.S. Senator Johnny Isakson, R-Ga., today announced the fiscal year 2011 funding requests for Georgia projects that he has submitted to the Senate Appropriations Committee. Isakson believes increased transparency and disclosure are essential to the appropriations process.

Requests are listed in alphabetical order. This list will be updated as Isakson submits additional requests to the Senate Appropriations Committee.

AGRICULTURE:

Georgia Soil and Water Conservation Commission, to fund conservation operations, \$3 million

The Georgia Soil and Water Conservation Commission in Athens, Ga., will provide incentives for agriculture producers to wisely conserve water and to construct/repair agriculture water storage facilities. The commission will provide free irrigation system performance audits to participating producers, and it will cost-share with qualifying producers to install water saving technologies to irrigation systems based on audit results to implement water scheduling techniques.

UGA College of Agricultural and Environmental Sciences, to fund cotton insect management and fiber quality research, \$500,000

The proposed research by the University of Georgia College of Agricultural and Environmental Sciences in Tifton, Ga., will provide grower support and Georgia-based answers to maintaining fiber quality, understanding the biology and ecology of stinkbugs and other pest species, development of novel sampling techniques and management thresholds, improved pesticide management and continued strong extension programming. Results from these studies will enable Georgia cotton producers to remain competitive in domestic and world cotton markets.

UGA College of Agricultural and Environmental Sciences, to fund phytophthora research, \$240,000

The University of Georgia College of Agricultural and Environmental Sciences in Tifton, Ga., seeks funding to develop effective strategies integrating several new and promising tactics to control *Phytophthora capsici*, a devastating disease affecting vegetable production in Georgia and other states.

**USDA-ARS-National Peanut Research Laboratory, to fund water use reduction research,
\$1.2 million**

The USDA-ARS-National Peanut Research Laboratory in Dawson, Ga., seeks funding to develop management criteria for row crop producers to maximize the impact of drip irrigation on their operations while increasing water use efficiency and water conservation. By utilizing efficient drip irrigation on row crops, growers' economic returns will improve, which will greatly benefit U.S. rural economies.

COMMERCE, JUSTICE, AND STATE:

Cobb County, to fund regional interoperable communications network for public safety first responders, \$500,000

Cobb County, Ga., is a key player in developing a regional interoperable communication system that covers eleven counties from metro Atlanta to Alabama. The linking of like radio systems will expand coverage, coordinate responses, improve communication and decrease response time in the event of natural or man-made disasters, including terrorism. Funds for this project will be used to link systems together and upgrade the radio system's operating platform so that all area systems are functioning at the same level.

Georgia Meth Project, to fund program aimed at reducing the prevalence of first-time meth abuse, \$250,000

The Georgia Meth Project in Atlanta, Ga., is a large-scale, statewide prevention and public awareness program designed to reduce the prevalence of first-time methamphetamine abuse in Georgia. Funds will be used to reduce the prevalence of first-time meth abuse.

Rockdale County, to fund Sheriff's Office Law Enforcement Mobile Data Network, \$188,000

The Sheriff's Office in Rockdale County, Ga., is a full-service sheriff's office providing complete law enforcement services to the approximately 85,000 residents in this metro Atlanta county. The Sheriff's Office is committed to providing technological capabilities to maximize law enforcement efforts for deputies and citizens. Funds will be used to build upon the present mobile data system, including a digital camera storage system, handheld computers for criminal investigations, a GPS/AVL network to record movements of mobile units, thermal imaging devices, and fingerprint identification technology.

Spelman College, to support the WISE Scholars Program, \$100,000

Established in 1987, the Women in Science and Engineering (WISE) Scholars Program at Spelman College in Atlanta, Ga., provides scholarship and academic support for highly qualified students majoring in the physical sciences, mathematics, or dual-degree engineering. Consisting of academic, mentoring and research components, the WISE Scholars Program has been instrumental in increasing the number of underrepresented women earning undergraduate degrees in science, technology, engineering, and mathematics (STEM). Funding will support the continuation and expansion of the current program to assist national efforts to produce the next generation of American STEM professionals.

DEFENSE:

Aerospace Missions Corporation, to fund the Small Unmanned Aerial System High Performance Payload program, \$5 million

The Small Unmanned Aerial System High Performance Payload program, which is run by Aerospace Missions Corporation in St. Mary's, Ga., addresses unmet Department of Defense requirements for Night Vision technology and the U.S. Army's need for sensors to detect targets in camouflage, concealment and deception as well as for beyond-line-of-sight targeting in areas shadowed by terrain. Aerospace Missions has assembled a team of world-class scientists and researchers to develop the smallest hyperspectral imager in the world for use by defense, law enforcement, search and rescue and Homeland Security missions.

ArunA Biomedical, to fund research to develop human neuron biosensors, \$1.2 million

Hazardous substance detection represents a growing concern for both military and civilian agencies. ArunA Biomedical in Athens, Ga., is developing human neuron biosensors for Botulinum neurotoxins, which are among the most significant bioterrorism threats and the most deadly substance by weight to humans. ArunA enhances this system by using genetically engineered cell lines to regulate cellular phenotype and thus enhance the sensitivity of the system.

Columbus State University, to fund research for cognitive map-based modeling and simulation for tactical decision support, \$2 million

The project at Columbus State University in Columbus, Ga., will assist the Warfighter by utilizing map-based modeling and simulation to support tactical decision-making by military planners in training and operational scenarios.

CSRA Wounded Warrior Care Project, report language request

Report Language Request: The Central Savannah River Area (CSRA) Wounded Warrior Care Project is requesting an increase in the Native American Graves Protection and Repatriation Act (NAGPRA) Veterans Curation Program (VCP) Budget to continue the VCP in Augusta, Georgia, St. Louis, Missouri, and Washington, D.C. The current budget does not allow the VCP to continue at its current level of operation in serving veterans and service members in the three locations. The VCP is training and employing wounded and disabled Iraq and Afghanistan-returned veterans to categorize, inventory, process and photograph artifacts, and to archive records owned by the U.S. Army Corps of Engineers. Beginning in October 2009, the U.S. Army Corps of Engineers, Center of Expertise for Curation and Management of Archeological Collections St. Louis District, opened this first-of-its-kind project in Augusta, Georgia. At the VCP laboratory in Augusta, the CSRA works with the Fort Gordon Warrior Transition Battalion, the Georgia Department of Labor and the Charlie Norwood VA Medical Center in training participants skills such as document scanning and imaging, records management, inventory tracking, high resolution photography, digital image retention, and cataloging. These skills are readily transferable to jobs in health care, law enforcement, rescue, administrative, government and engineering career fields. In addition to Augusta, Georgia, other sites have been established in Washington, D.C. and St. Louis, Missouri.

VCP serves as a national model of fostering a culture that values equal opportunity, innovation, and accountability and supports the vision of the Veteran's Administration by providing veterans the benefits and services they have earned by adhering to the highest standards of compassion, commitment, professionalism and integrity. Wounded warriors are receiving training, pay, and highly rewarding employment, bolstering self-esteem and a sense of purpose, while providing them with a venue to work as a team with other veterans and service members. The increase in federal funding will be used to continue the current programs at all three sites and double the program size in Augusta, Georgia. Without this federal funding, the VCP will be unable to continue to provide veterans and service members training and employment.

CyroLife, Inc., to fund research to develop BioFoam protein for surgical repair of battlefield injuries, \$6.5 million

Uncontrollable bleeding from internal wounds is a major cause of combat casualty. CyroLife, Inc. in Kennesaw, Ga., is developing a protein hydrogel technology that could result in an FDA-approved method of addressing blood loss by forward surgical teams or combat support hospitals.

Darton College, to fund customized nursing program, \$1.5 million

Darton College in Albany, Ga., will administer a customized nursing program at Martin Army Community Hospital at Fort Benning, Ga. This program improves the educational and economic well-being of the military community by providing customized nursing programs such as traditional and accelerated training for medics as well as Licensed Practical Nurse programs. Programs are designed to overcome barriers military life presents while addressing military nursing shortages

Dobbins Air Reserve Base, to fund commissary, \$20 million

Fort Gillem and Fort McPherson are scheduled to close in 2011 as a result of the 2005 Base Realignment and Closure process. At that time, Fort Benning and Robins Air Force Base, which are

located approximately 100 miles from Atlanta, Ga., will be the closest commissary serving the metro Atlanta military population. On March 31, 2009, the Commissary Operating Board of the Defense Commissary Agency agreed to recommend approval of a commissary at Dobbins Air Reserve Base in Marietta, Ga., to the Undersecretary of Defense for Personnel and Readiness, who approved the facility on September 3, 2009. These funds will be used to accelerate construction of the commissary at Dobbins Air Reserve Base.

Intergraph Corporation, to fund strategic airlift transformation and integration modeling program at Warner Robins Air Force Logistics Center, \$4.93 million

To meet the challenges of diverse global threats, rapid multiple deployments and aging weapon systems, the Department of Defense must accelerate the transformation of logistics and maintenance processes. Intergraph Corporation in Warner Robins, Ga., will assist the Warner Robins Air Logistics Center in Warner Robins, Ga., in improving aircraft availability and reducing total ownership cost by creating enterprise-wide proactive planning that improves strategic mobility, implements total asset visibility and achieves greater communication and operational situational awareness. Funding for this program will support further sustainment of the C-5 aircraft, as well as organically improve the C-17 through increased coordination and responsiveness.

Meggitt Training Systems, Inc., to fund procurement for Combat Skills Marksmanship Trainer, \$6 million

The Combat Skills Marksmanship Trainer, which is provided by Meggitt Training Systems, Inc. in Suwanee, Ga., is a virtual system used for conducting mandatory training and intensive combat training in any tactical environment. The system focuses on the vital critical tasks that enhance mission readiness and battlefield survivability in the present warfare environment. The Combat Skills Marksmanship Trainer features include U.S. Army-specific courseware and training scenarios that address new and complex tactical situations and provide soldiers with the ability to conduct weapons, judgmental and military training in a tactical environment built on geo-specific terrain databases.

Mercer Engineering Research Center, to fund the development of the AN/BLQ-10A(V) Wideband Signal Processor, \$6 million

This program at Mercer Engineering Research Center in Warner Robins, Ga., enhances the AN/BLQ-10A(V) wideband signal processor capability to counter advancements in threat radars with dual use sensors to improve performance, increase reliability and maintain an edge in the global war on terrorism.

National Nanotechnology Manufacturing Center, to fund research, \$9 million

The National Nanotechnology Manufacturing Center in Swainsboro, Ga., will deliver innovative solutions to warfighter needs and gaps by utilizing nanotechnology-enabled materials, devices and supporting equipment.

Printpack Inc., to fund research to develop advanced packaging materials for combat rations, \$1.26 million

Printpack Inc. in Atlanta, Ga., will develop non-foil materials for military ration packaging, which is a precursor step to enable enhanced thermal processing techniques. The end result will be more environmentally friendly military rations with greater variety, better taste, more nutrition, longer shelf-life and lower production costs.

Savannah Combat Readiness Training Center, to fund the Savannah Optimal Weapons and Training Link program, \$5 million

The development of the Savannah Optimal Weapons and Training Link will allow for the simultaneous employment of many advanced weapons, platforms and threats into a multiple test or exercise/training events at the Savannah Combat Readiness Training Center in Savannah, Ga. This effort connects test and evaluation ranges that use many communications and data requirements to interact between geographically separated ranges, making valuable information available to everyone who requires it.

Verco Materials, to fund research to develop conformal ceramics for enhanced aviation armor systems, \$3 million and report language request

There is an urgent need for improved helicopter armor. The Conformal Ceramics for Enhanced Aviation Armor Systems, developed by Verco Materials in Atlanta, Ga., will develop 100 percent dense conformal B4C ceramic shapes and the low cost manufacturing methods and equipment to enable protection of flight critical helicopter hardware.

Requested Report Language: Congress is concerned about the lack of sufficient capabilities to protect flight-critical helicopter components from small arms fire. Therefore, Congress directs the Secretary of Defense to immediately undertake a program to develop conformal ceramics for enhanced helicopter armor and provides an additional \$3,000,000 in PE 603216N Aviation Survivability for this purpose.

DEFENSE – AUTHORIZATION ONLY (NOT APPROPRIATIONS):

Georgia Institute of Technology, to fund technology development for a Quiet Tactical UAV, \$4 million

In the proposed program at the Georgia Institute of Technology in Atlanta, Ga., technologies will be developed to make tactical Unmanned Aerial Vehicles (UAV) less detectable and better performing. The objective is to demonstrate a UAV that can operate in a stealthy manner that facilitates mission effectiveness. This level of capability will greatly increase the utility of tactical UAVs for military and homeland defense missions.

Scientific Research Corporation, to fund research for Micro-Asymmetric Covert Waveform for Software Defined Radios, \$4.8 million

The Micro-Asymmetric Covert Waveform for Software Defined Radios (SDR) program, being developed by Scientific Research Corporation in Atlanta, Ga., demonstrates a very small, low-cost, low-power radio that hosts the full transmit portion of the covert communications waveform with a limited received portion. With the proposed funding, the covert waveform will be ported to SDR systems to meet the unique requirements for Special Operations Forces. SDRs are flexible communications systems that allow cost effective and rapid future upgrades.

University of Georgia, to fund research for enhancing vaccine development and capacity for military application, \$2 million

This project at the University of Georgia in Athens, Ga., will provide an innovative method to enhance vaccine production using RNA interference to silence host genes that limit virus replication in mammalian cell lines used for vaccine development. This study would change vaccine development and supply by dramatically increasing available vaccine stocks and have a direct effect on at-risk populations by making more vaccine doses available.

ENERGY AND WATER:

City of Albany, for sewer system upgrades, \$2 million

Albany, Ga., needs to upgrade its sewer system to sustain current capacity and to avoid discharges of sewage into the Flint River and area surfaces. A lack of structural integrity of the system makes it vulnerable to major breaks and leeches should a flooding incident occur along the Flint River. The combination of flooding and an inadequate sewer system could prove catastrophic for the region, which has experienced major floods twice in the past 10 years.

City of Atlanta, to improve surface water quality by providing combined sewer capacity relief to capture more stormwater and sewage flows and associated flood relief, \$5 million

The wastewater collection, conveyance and treatment system in Atlanta, Ga., consists of approximately 2,000 miles of sanitary and combined sewers, seven combined sewer overflow treatment plants and other facilities, much of which was originally built in the 19th Century and is still in use today. Excessive overflows from the combined sewer system, coupled with sanitary sewer overflows and leaks in the separated area, are seriously impacting metro Atlanta regional water quality. Continued rapid growth in the metropolitan area and the daily influx of commuters from surrounding areas into the city exacerbate the adverse impact.

City of Toccoa, for waste water collection system expansion, \$8 million

By providing sewer service to underserved areas of the community and eliminating the need for privately owned septic systems, Stephens County and the City of Toccoa, Ga., will create residential, commercial and industrial growth opportunities to achieve economic viability for a distressed rural area. This project is designed to better reclaim and conserve water, which is paramount to the stressed Savannah River basin, an area that has suffered through several successive drought years.

Metropolitan North Georgia Water Planning District, for the construction of conveyance systems to connect both existing and planned wastewater infrastructure and facilities, \$3 million

The Metropolitan North Georgia Water Planning District in Atlanta, Ga., mandates the development and adoption of a district-wide Watershed Management Plan and a Water Supply and Water Conservation Plan for the six major river basins in the metropolitan area, which covers Bartow, Cherokee, Clayton, Cobb, Coweta, DeKalb, Douglas, Fayette, Fulton, Forsyth, Gwinnett, Hall, Henry, Paulding and Rockdale counties. Federal funding would be used to fund construction of conveyance systems to connect both existing and planned water and wastewater infrastructure and facilities as well as to study and formulate projects relating to water supply, flood control and other water quality improvements.

University of Georgia, for Biofuels, Biopower and Biomaterials Initiative, \$1.5 million

The Biofuels, Biopower and Biomaterials Initiative at the University of Georgia in Athens, Ga., will use basic and applied research to develop technologies for converting biomass into biofuels and bioproducts in an economically and environmentally sustainable manner. This research takes advantage of an existing integrated biorefinery.

U.S. Army Corps of Engineers (Savannah District), for dredging of Atlantic Intracoastal Waterway, \$3 million

This funding would provide a safe navigation channel for commercial and recreational vessels in Georgia's portion of the Atlantic Intracoastal Waterway in Georgia, which is authorized for a depth of 12 feet but has sections that are as shallow as three to five feet.

U.S. Army Corps of Engineers (Savannah District), for the Savannah Harbor Expansion Project, \$105 million

The Port of Savannah in Savannah, Ga., is now the second largest container port on the East Coast, the fourth largest in the nation and the fastest growing container port in the United States. Largely because of Savannah's growth, Georgia maritime activities support more than 286,000 jobs in the state and contribute some \$10.8 billion in income, \$35.4 billion in revenue and \$1.4 billion in state and local taxes each year. More than 20,975 companies throughout all 50 states utilize the Georgia Ports Authority facilities in Savannah. The Savannah Harbor Expansion Project is one of the most important economic development projects in Georgia's history. This project proposes to deepen the Savannah River Federal navigation channel from 42 feet to as much as 48 feet. The Panama Canal, through which many ships pass traveling to and from the East Coast, is scheduled to be widened by 2014 to accommodate larger cargo carriers that require deeper waters.

INTERIOR:

Chattahoochee River National Recreation Area, for land acquisition, \$3.62 million

The Chattahoochee River National Recreation Area provides much-needed recreational opportunities for Georgians and visitors in the metro Atlanta, Ga., area. The park was created in 1978 to protect the watershed, provide opportunities for river and land recreation, and conserve important tracts in the river's floodplain. Two properties totaling 36.5 acres at the northern end of the national recreation area near Lake Lanier are available for acquisition. The Manning and Friedman inholdings are located directly on the western bank of the Chattahoochee River just north of the Georgia Route 20 bridge in Forsyth County. The tracts would be added to the Bowman's Island Unit of the park.

The acquisition of the properties will enable the National Park Service to protect important riverfront land and water resources and expand recreational opportunities at the Bowman's Island Unit. In addition, these acquisitions—along with a planned improvement of pedestrian and bicycle use of the Route 20 bridge—would greatly enhance the Park Service's goal of constructing a five-mile loop trail at the Bowman's Island Unit that would proceed along both banks of the river between Buford Dam and Route 20.

City of Atlanta, for wastewater, storm water and water quality protection improvements, \$2 million

The wastewater collection, conveyance and treatment system in Atlanta, Ga., consists of approximately 2,000 miles of sanitary and combined sewers, seven combined sewer overflow treatment plants and other facilities, much of which was originally built in the 19th Century and is still in use today. Excessive overflows from the combined sewer system, coupled with sanitary sewer overflows and leaks in the separated area, are seriously impacting metro Atlanta regional water quality. Continued rapid growth in the metropolitan area and the daily influx of commuters from surrounding areas into the city exacerbate the adverse impact.

The proposed project would improve surface water quality by providing combined sewer capacity relief to capture more stormwater and sewage flows and associated flood relief in several areas of the city. The proposed relief system would allow the flow volume, typically stored on surface streets, to enter the collection system. Excess flow volume would be diverted and captured in a deep tunnel system for later treatment and release.

City of Griffin/Spalding County, to expand and upgrade Potato Creek Wastewater Treatment Plant, \$6 million

Funds will be used to expand and upgrade the Potato Creek Wastewater Treatment Plant in Griffin, Ga., and increase capacity by 33.3 percent. Expanding and upgrading the plant supports the Griffin-Spalding County Industrial Development Authority's ability to attract industrial customers and creating jobs in the Spalding County area.

City of LaGrange, for sewer rehabilitation, \$1.1 million

Funds will be used to rehabilitate the existing King Arthur Pump Station, Force Main and Gravity Sewer in LaGrange, Ga. The operational age of the pump station is 13 years, the age of the force main is 24 years and the age of the gravity sewer is over 30 years. The proposed project is needed to enable the pump station to reliably transport the wastewater that is received at the pump station.

Chattooga, Floyd and Walker Counties, to construct system improvements, \$4.037 million

Funds will be used to construct system improvements, including water storage, pumping and water distribution facilities, in Chattooga County, Ga., as well as developing Regal Springs into a water supply for a tri-county area that includes Chattooga, Floyd and Walker counties.

MILITARY CONSTRUCTION:

Fort Gordon, to fund construction of a Qualification Training Range, \$8.4 million

Fort Gordon in Augusta, Ga., is seeking funds to construct a Qualification Training Range, which will be used to train and test soldiers on the skills necessary to detect, identify, engage and defeat stationary and moving infantry targets and stationary armor targets in a tactical array with their prescribed weapons.

Hunter Army Air Field, to fund construction of an Army Continuing Education Center, \$12.8 million

Hunter Army Air Field in Savannah, Ga., is seeking funds to construct a facility to expand educational opportunities for soldiers and families at Hunter Army Airfield. The closest Army education center for soldiers and families at Hunter Army Airfield is 43 miles away at Fort Stewart. Hunter Army Airfield has over 6,700 permanent party soldiers stationed there with their family members. The Department of Defense's Military Inspection Voluntary Education Review inspection team said, "The current education center situation at Hunter Army Airfield is among the worst in the Army."

Marine Corps Logistics Base, to build a weapons storage facility, \$9.9 million

The Marine Corps Logistics Base in Albany, Ga., is seeking funds to construct a new weapons storage facility, which will be located on its weapons storage, repair and testing compound. The current weapons storage facility consists of three bays in a general purpose warehouse in the warehouse district of the base. This facility lacks security fencing, adequate lighting and sufficient humidity control. The new facility will provide secure storage commensurate with current Anti-Terrorism/Force Protection guidelines. It will also help prevent the degradation of supplies and minimize maintenance costs while processing through storage, maintenance, and distribution function.

Moody Air Force Base, to fund construction of a fire/crash rescue station, \$10.7 million

Moody Air Force Base in Valdosta, Ga., is seeking funds to construct a fire/crash rescue station to provide adequate fire protection capabilities for aircraft and facilities. Currently, Moody's lack of apparatus drive through bays increases structural response times by two minutes.

Robins Air Force Base, to fund construction of a control tower and base ops complex, \$9.4 million

Robins Air Force Base in Warner Robins, Ga., is seeking funds to construct a control tower to rectify the control tower cab space limitations, meet current mission requirements and increase air traffic controller mobility. Funding will also construct a new Base Operations Complex to consolidate the Base Weather, air traffic control and landing system Maintenance, host Aviation Records Management, Transient Alert and staff offices along with the Control Tower into one consolidated location.

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